Claims

1.   A method of individualizing a general broadcast signal, comprising:

    combining a user identifier and a message to form a first message layer signal;

    encoding the first message layer signal;

    combining a first source identifier with the encoded first message layer signal to form a

second message layer signal; and

    encoding the second message layer signal.

2.   A method of individualizing a general broadcast signal according to claim 1, further

comprising:

    combining a second source identifier with the encoded second message layer signal to

form a third message layer signal;

    encoding the third message layer signal.

3.   A method of individualizing a general broadcast signal according to claim 1, wherein the

encoding of at least one of the first and second message layer signals includes code division

multiples access encoding.

4.   A method of individualizing a general broadcast signal according to claim 2, wherein the

encoding of the third message layer signals includes code division multiples access encoding.

5.   A method of individualizing a general broadcast signal according to claim 1, further

comprising:

    receiving the encoded second message layer signal;

    decoding the encoded second message layer signal; and

5   decoding the encoded first message layer signal.

6.   A method of individualizing a general broadcast signal according to claim 2, further

comprising:

   receiving the encoded third message layer signal;

   decoding the encoded third message layer signal; and

5   decoding the encoded second message layer signal.

   decoding the encoded first message layer.

7.   A method of individualizing a general broadcast signal according to claim 5, wherein the

decoding of at least one of the first and second message layers signals includes code division

multiples access decoding.

8.   A method of individualizing a general broadcast signal according to claim 6, wherein the

decoding of at least one of the first, second, third message layer signals includes code division

multiples access decoding.

9.   A system for individualizing a general broadcast signal, comprising:

   first logic apparatus, operatively connected to receive and to concatenate a user identifier

and a message to form a first message layer signal;

   first encoder, operatively connected to first logic apparatus to encode the first message

5   layer signal;

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second logic apparatus, operatively connected to receive and concatenate a first source

identifier with the encoded first message layer signal to form a second message layer signal; and

second encoder, operatively connected to the second logic apparatus to encode the second

message layer signal.

10. A system for individualizing a general broadcast signal according to claim 5, further

comprising:

third logic apparatus, operatively connected to receive and concatenate a second source

identifier with the encoded second message layer signal to form a third message layer signal; and

third encoder, operatively connected to the third logic apparatus to encode the third

message layer signal.

11. A system for individualizing a general broadcast signal according to claim 5, wherein the

first and second encoders comprise code division multiplex access encoders.

12. A system for individualizing a general broadcast signal according to claim 5, wherein the

third encoder comprises a code division multiplex access encoder.

13. A system for individualizing a general broadcast signal according to claim 9, further

comprising:

a general broadcast receiver operatively connected to receive the encoded second

message layer signal;

5   a first decoder operatively connected to decode the encoded second message layer signal;

and

a second decoder operatively connected to decode the encoded first message layer signal.

14.   A system for individualizing a general broadcast signal according to claim 10, further

comprising:

a general broadcast receiver operatively connected to receive the encoded third message

layer signal;

5   a first decoder operatively connected to decode the encoded third message layer signal;

a second decoder operatively connected to decode the encoded second message layer

signal; and

a third decoder operatively connected to decode the encoded first message layer.

15.   A system for individualizing a general broadcast signal according to claim 13, wherein at

least one of the first and second decoders includes a code division multiples access decoder.

16.   A system for individualizing a general broadcast signal according to claim 14, wherein at

least one of the first, second, third decoders include a code division multiples access decoder.

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